

ENVIRONMENTAL STATEMENT DETAILS

Section A: Administrative Information

A1 – Project Reference Number

Please confirm the unique ES identification number for the project.

Number: **ES/2022/009**

A2 - Developer Contact Details

Company name: **LIVERPOOL BAY CCS LIMITED**

Contact name: **MR MARTIN CURRIE**

Contact title: **MANAGING DIRECTOR**

A3 - ES Contact Details (if different from above)

Company name: **Eni UK Limited**

Contact name: **Donald Smith**

Contact title: **HSE Manager**

A4 - ES Preparation

Please confirm the key expert staff involved in the preparation of the ES:

Name	Company	Title	Relevant Qualifications / Experience
Morag Wilson	RPS (a Tetra Tech company)	EIA Project Director	<ul style="list-style-type: none">• RPS Associate Director with 20+ years' experience in the environmental sector.• BSc Joint Hons (2:1) Botany and Marine Biology, University of Wales, Bangor,• MSc Marine Resource Management, Heriot-Watt University,• Graduate Certificate, Environmental Studies, Strathclyde University.• Full Member, The Institution of Environmental Sciences (IES), Associate Member, Association for Project Management (APM), Affiliate Member, Institute of Environmental Management and Assessment (IEMA), Affiliate Member, Royal Town Planning Institute (RTPI).
Andrea Robinson	RPS (a Tetra Tech company)	EIA Project Manager	<ul style="list-style-type: none">• RPS Principal Consultant with 20+ years' experience in the environmental sector.• M.Sc. Marine Resource Development and Protection, B.Sc. (Hons). Geology.• Full membership of IEMA, Chartered Environmentalist (CEnv).
Nathalie De Groot	RPS (a Tetra Tech company)	EIA Assistant Project Manager	<ul style="list-style-type: none">• RPS Senior Consultant with 11+ years' experience in the energy sector.• MSc (Distinction) Environmental Partnership Management, University of Aberdeen, MSc

Name	Company	Title	Relevant Qualifications / Experience
			Petroleum Engineering, Delft University of Technology, BSc Applied Earth Sciences, Delft University of Technology.
Naomi Shannon	RPS (a Tetra Tech company)	Physical Processes	<ul style="list-style-type: none"> • RPS Senior Engineer - Water Environment and Flood Risk Management. • PhD Computational Fluid Dynamics, Queen's University of Belfast, MSc Engineering Computation, Queen's University of Belfast, PGCHET Queen's University of Belfast, BEng (2:1 Hons.) Civil Engineering, University of Brighton. • Graduate member Institution of Civil Engineers, Registered Practitioner for Higher Education Academy (ILTHe).
Lucy Shuff	RPS (a Tetra Tech company)	Marine Biodiversity	<ul style="list-style-type: none"> • RPS Principal Consultant with 12+ years' experience in the environmental sector. • BSc (Hons) Marine Biology and Oceanography.
Andrew Mather	RPS (a Tetra Tech company)	Ornithology	<ul style="list-style-type: none"> • RPS Senior Consultant with 4+ years' experience in the environmental sector. • BSc (Hons) in Zoology with Industrial Experience, University of Manchester, MPhil (Cantab) in Biological Science, University of Cambridge. • Associate Member of IMarEST.
John Beattie	Anatec Ltd	Shipping and Navigation	<ul style="list-style-type: none"> • Anatec Ltd Principal Risk Analyst with 20+ years' experience. • BEng (Hons) in Chemical Engineering and an MSc in Information Technology Systems from the University of Strathclyde.
Fiona Nimmo	Poseidon Aquatic Resources Management Ltd	Commercial Fisheries	<ul style="list-style-type: none"> • Poseidon Aquatic Resources Management Ltd Director with 13+ years' experience. • B.Sc. Marine Biology (First Class Hons), University of Newcastle upon Tyne, B.Eng. Chemical Engineering (2:1 Hons), Edinburgh University.
Mark James	MSDS Marine Ltd	Marine Archaeology	<ul style="list-style-type: none"> • MSDS Marine Ltd Director with 12+ years' experience in the maritime archaeology sector. • BSc (Hons) Marine Archaeology, Bournemouth University.
Stuart Sharp	RPS (a Tetra Tech company)	Infrastructure and Other Sea Users	<ul style="list-style-type: none"> • RPS Principal Consultant with 18+ years' experience. • MSc Environmental Science, BSc Ocean Sciences, Society for the Environment Cenv, Science Council Chartered Scientist (CSci), Energy Institute Member, IEMA Affiliate Member.
Andrew Tasker	RPS (a Tetra Tech company)	Climate Change	<ul style="list-style-type: none"> • RPS Associate Director – EIA and Sustainability. • BSc (Hons) Geography and Environmental Sciences, MSc Sustainable Cities, BREEAM UK NC Assessor. • Practitioner Member of IEMA.
Kathryn Barker	RPS (a Tetra Tech company)	Air Quality	<ul style="list-style-type: none"> • RPS Principal Air Quality Consultant. • BSc (Hons) Environmental Science, MSc Environmental Pollution Control.

Name	Company	Title	Relevant Qualifications / Experience
			Member of the Institute of Air Quality Management (IAQM) and Associate Member of the Institute of Environmental Sciences.
John Beattie	Anatec Ltd	Aviation and Radar	<ul style="list-style-type: none"> Anatec Ltd Principal Risk Analyst with 20+ years' experience. BEng (Hons) in Chemical Engineering and an MSc in Information Technology Systems from the University of Strathclyde.
Raymond Holbeach	RPS (a Tetra Tech company)	Seascape, Landscape and Visual Resources	<ul style="list-style-type: none"> RPS Director - Planning and Environment with 30+ years' experience in urban and rural design, and planning. BSc (Hons) Environmental Science, University of Ulster, Master of Landscape Architecture, University of Edinburgh. Chartered Member of the Landscape Institute, Member of the Irish Landscape Institute, Practitioner Member of IEMA.
Simon Stephenson	Seiche	Underwater Noise	<ul style="list-style-type: none"> Seiche Specialist Acoustic Consultant with 24+ years' experience. BSc (Hons) Physics University of Bristol. Chartered Engineer (CEng) Institute of Acoustics (IOA), Member of IOA, Associate of the Acoustical Society of America.

Please extend table if necessary.

A5 - Licence Details

a) Please confirm licence(s) covering proposed activity or activities

Licence number(s): **The Project will be undertaken within the carbon storage license area (CS004), including within Offshore Licensed Blocks 110/13a, 110/13b, 110/14a, 110/14c and 110/15a.**

b) Please confirm licensees and current equity

Licence Number: CS004	
Licensee	Percentage Equity
Eni UK Limited	100%

Licence Number: 110/13a, 110/13b, 110/14a, 110/14c and 110/15a	
Licensee	Percentage Equity
BHP BILLITON PETROLEUM GREAT BRITAIN LIMITED	46.10%
ENI AEP LIMITED	8.90%

ENI ULX LIMITED	45.00%
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Please provide a separate table for each relevant licence and extend the table(s) if necessary.

Section B: Project Information

B1 - Nature of Project

a) Please specify the name of the project.

Name: **HYNET CARBON DIOXIDE TRANSPORTATION AND STORAGE PROJECT - OFFSHORE**

b) Please specify the name of the ES (if different from the project name).

Name: **AS ABOVE**

c) Please provide a brief description of the project.

The Project involves the repurposing of the existing offshore natural gas import pipeline from Eni's Liverpool Bay offshore assets to the Point of Ayr (PoA) Gas Terminal, to become a CO₂ export pipeline, which will transport the CO₂ to the newly constructed Douglas CCS platform. From the new Douglas CCS platform, CO₂ will be transported along the re-purposed natural gas pipelines to the Hamilton Main, Hamilton North, and Lennox platforms for injection into the depleted reservoirs. The Project will also require new electrical and fibre optic transmission infrastructure seawards of Mean High Water Spring, connecting the PoA Terminal to the offshore infrastructure. The Project relates to the Carbon Dioxide Appraisal and Storage Licence area (CS004). The key components include:

- **New Douglas CCS Platform:** A new platform will replace the existing Douglas Process platform. This Normally Unmanned Installation (NUI) will receive and distribute CO₂ from the onshore Point of Ayr (PoA) Terminal to Hamilton Main, Hamilton North, and Lennox wellhead platforms. The new platform will have up to eight driven piles, and its topsides will house essential equipment like pig launchers, emergency shelter, survival craft, and more.
- **Pipeline Network:** New sections of pipeline will connect the new Douglas CCS platform to the existing subsea natural gas pipelines. The existing subsea gas pipelines will be repurposed for CO₂ transport and will carry CO₂ from the Douglas CCS Platform to the satellite platforms (Hamilton Main, Hamilton North, Lennox) for injection into depleted hydrocarbon reservoirs. External protection measures will be implemented at pipeline crossings using materials like rock, sandbags, and concrete mattresses.
- **Satellite Platforms:** The existing satellite platforms (Hamilton Main, Hamilton North, Lennox) will be redeveloped for CO₂ service. Existing topsides will be removed, and new purpose-built topsides with CO₂ injection capabilities will be installed. These new topsides will be prefabricated and integrated onto the respective jacket structures.
- **Offshore Electrical and Fibre Optic Cables:** New 33 kV subsea power cables with integrated fibre optic connections will link the PoA Terminal to the Douglas CCS Platform and further connect the Douglas Platform to the satellite platforms. These cables will follow the alignment of existing pipelines with slight offsets to avoid obstructions.
- **Wells:** The development of the Hamilton Main, Hamilton North, and Lennox reservoirs for CO₂ storage involves drilling and re-completion of wells. CO₂ injector wells will be side-tracked from existing producer wells on the platforms. Monitoring and sentinel wells will also be drilled for CO₂ conformance and containment monitoring.

The above infrastructure will be contained within the Eni Development Area. The new Douglas CCS Platform, with its topsides and jacket structure, will play a central role in CO₂ distribution and injection,

and the entire Proposed Development aims to repurpose existing facilities for environmentally responsible CO₂ management.

B2 - Project Location

a) Please indicate the offshore location(s) of the main project elements (for pipeline projects please provide information for both the start and end locations).

Quadrant number(s): **110**

Block number(s): **The Project will be undertaken within the carbon dioxide storage license area CS004, including within Offshore Licensed Blocks 110/13a, 110/13b, 110/14a, 110/14c, and 110/15a.**

Latitude:

Longitude (W / E):

Point	Latitude (DDM)	Longitude (DDM)
A	53° 41' 00" N	3° 37' 00" W
B	53° 41' 00" N	3° 07' 00" W
C	53° 35' 00" N	3° 07' 00" W
D	53° 35' 00" N	3° 21' 00" W
E	53° 33' 00" N	3° 21' 00" W
F	53° 33' 00" N	3° 23' 00" W
G	53° 28' 00" N	3° 23' 00" W
H	53° 28' 00" N	3° 37' 00" W
I	53° 41' 00" N	3° 37' 00" W

Distance to nearest UK coastline (km): **2**

Which coast? **England**

Distance to nearest international median line (km) **111**

Which line? **UK/Ireland**

B3 - Previous Applications

If the project, or an element of the project, was the subject of a previous consent application supported by an ES, please provide details of the original project.

Name of project: **None**

Date of submission of ES: **None**

Identification number of ES: **None**